

03060107-040

(Stevens Creek)

General Description

Watershed 03060107-040 is located in Edgefield and McCormick Counties and consists primarily of **Stevens Creek** and its tributaries from Turkey Creek to its confluence with the Savannah River. The watershed occupies 131,490 acres of the Piedmont and Upper Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Cecil-Hiwassee-Lakeland series. The erodibility of the soil (K) averages 0.24, and the slope of the terrain averages 9%, with a range of 0-25%. Land use/land cover in the watershed includes: 83.0% forested land, 9.4% barren land, 5.3% agricultural land, 1.2% forested wetland, 0.7% water, and 0.4% urban land.

This segment of Stevens Creek accepts drainage from Buzzard Branch, Cuffey Branch, Key Branch, Shumate Branch, another Buzzard Branch, John Branch, Lloyd Creek (Owl Branch), and Horn Creek. Horn Creek accepts drainage from Quarles Creek (Clearwater Branch), Gilroy Branch, Tobler Creek, Hog Eye Branch, Cedar Creek, Rock Creek, Dry Creek, Lick Fork (Lick Fork Lake, Miller Branch, Big Branch), Big Creek, and Williams Branch. Downstream of Horn Creek, Stevens Creek accepts drainage from Reedy Branch, Cheves Creek (Canaan Branch, Spring Branch, Monday Branch, Bakers Branch, Burkhalter Branch, Big Branch, Dry Branch, Rainsford Pond), Anderson Branch, Hardy Branch, and Sweetwater Branch. There are a total of 261.9 stream miles and 245.1 acres of lake waters within this watershed, all classified FW. The Sumter National Forest extends over the western side of the watershed.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SV-063	BIO	FW	STEVENS CREEK AT SC 23
SV-354	W	FW	STEVENS CREEK AT S-33-88/S-19-143
SV-726	BIO	FW	HORN CREEK AT S-19-143
SV-725	BIO	FW	CHEVES CREEK AT S-19-34

Stevens Creek - There are two monitoring sites along Stevens Creek in this watershed. At the upstream site (**SV-063**), aquatic life uses are fully supported based on macroinvertebrate community data. At the downstream site (**SV-354**), aquatic life and recreational uses are fully supported.

Horn Creek (SV-726) - Aquatic life uses are fully supported based on macroinvertebrate community data.

Cheves Creek (SV-725) - Aquatic life uses are fully supported based on macroinvertebrate community data.

Natural Swimming Areas

<u>FACILITY NAME</u>	<u>PERMIT #</u>
<u>RECEIVING STREAM</u>	<u>STATUS</u>
LICK FORK LAKE	19-1001N
LICK FORK LAKE	ACTIVE

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)</i>	<i>NPDES# TYPE COMMENT</i>
CHEVES CREEK TRIBUTARY ECW&SA/LAND-O-LAKES SD PIPE #: 001 FLOW: 0.015	SC0032492 MINOR DOMESTIC
SWEETWATER BRANCH BP OIL INC./SWEETWATER TERMINAL PIPE #: 001 FLOW: M/R	SCG340004 MINOR INDUSTRIAL
SWEETWATER BRANCH WILLIAMS TERMINALS HOLD/N. AUGUSTA PIPE #: 001 FLOW: M/R	SCG340012 MINOR INDUSTRIAL
SWEETWATER BRANCH WILLIAMS TERMINALS HOLD/N. AUGUSTA PIPE #: 001 FLOW: M/R	SCG340003 MINOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

<i>LANDFILL NAME FACILITY TYPE</i>	<i>PERMIT # STATUS</i>
GRIFFIN SHORT TERM C & D LANDFILL C & D	332900-1301 CLOSED

Growth Potential

There is a low potential for growth in this watershed, which contains portions of the Towns of Modoc, Clarks Hill, Murphys Estates, and Edgefield. The Edgefield Industrial Park, located southeast of the Town of Edgefield, is supported by a rail system and serves as a source of potential industrial growth in the watershed. The Edgefield County Water and Sewer Authority's Regional Sewer Collection System now serves Edgefield County, and the Saluda County and the Town of Saluda where it connects to the sewer system of the City of North Augusta for final connection to the Horse Creek Valley WWTP. The Town of Edgefield has connected to the system, allowing for possible growth. A new federal prison and state prison have been constructed in Edgefield County, which should also increase growth. The growth of North Augusta is approaching the Stevens Creek area, particularly residential development. The regional sewer line should also enhance industrial development along U.S. Hwy 25, between the Towns of Trenton and North Augusta. Over half of the watershed resides within the Sumter National Forest and would tend to limit growth in that area.